

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: February 13, 2002, 10:09:32 ; Search time 12.87 Seconds
(without alignments)
112.457 Million cells updates/sec

Title: US-09-486-094-12
Perfect score: 51
Sequence: 1 XCXXXXXXCX
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 219241 seqs, 76174552 residues
Total number of hits satisfying chosen parameters: 219241

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Maximum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : PIR_68.*
1: pir1.*
2: pir2.*
3: pir3.*
4: pir4.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	56.9	117	JC2210	hypothetical 12.6
2	28	54.9	57	S59073	metallothionein is
3	28	54.9	58	S59072	metallothionein is
4	28	54.9	243	C75608	hypothetical prote
5	28	54.9	462	T00708	violaxanthin de-ep
6	28	54.9	2948	T22664	hypothetical prote
7	28	54.9	478	T03750	metallothionein 1
8	27	52.9	58	SMKD1S	hypothetical prote
9	27	52.9	565	T47330	hypothetical prote
10	27	52.9	572	T20764	hypothetical prote
11	27	52.9	4543	A53102	alpha-2-macroglobu
12	27	52.9	4544	S02392	alpha-2-macroglobu
13	27	52.9	4545	S25111	alpha-2-macroglobu
14	26	51.0	47	SMKD2S	metallothionein 2
15	26	51.0	58	A37039	metallothionein 1
16	26	51.0	58	S43367	metallothionein -
17	26	51.0	222	H83410	hypothetical prote
18	26	51.0	248	E71602	probable integral
19	26	51.0	318	T03026	chitinase (EC 3.2.
20	26	51.0	387	I38449	extracellular prote
21	26	51.0	435	S40993	hypothetical prote
22	26	51.0	455	1 G0HUT1	tumor necrosis fac
23	26	51.0	493	2 JC5621	epidermal growth f
24	26	51.0	646	2 T23039	hypothetical prote
25	26	51.0	721	2 T41942	hypothetical prote
26	26	51.0	732	2 I52361	testicular metallo
27	26	51.0	1002	2 T19226	hypothetical prote
28	26	51.0	1046	2 A26838	prestalk protein p
29	26	51.0	1145	2 S37136	structural polypro

ALIGNMENTS

RESULT 1
JC2210
hypothetical 12.6K protein, LIM6 - trumpet lily (fragment)
C:Species: Lilium longiflorum (trumpet lily)
C>Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 21-Jul-2000
C:Accession: JC2210
R:Kobayashi, T.; Kobayashi, E.; Sato, S.; Hotta, Y.; Miyajima, N.; Tanaka, A.; Tabata
DNA Res. 1, 15-26, 1994
A:Title: Characterization of cDNAs induced in meiotic prophase in lily microsporocyte
A:Reference number: PC2136; MUID:96051386
A:Accession: JC2210
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-117 <KOB>
A:Cross-references: DDBJ:D21812; NID:g431165; PIDN:BAA04836.1; PID:g431166

Query Match 56.9%; Score 29; DB 2; Length 117;
Best Local Similarity 23.5%; Pred. No. 35;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXKXXXXX 18
DB 74 CTTSSCKKKGVTCSKKC 90

RESULT 2
S59073
metallothionein isoform IIA - blue crab
C:Species: Callinectes sapidus (blue crab)
C>Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 07-May-1999
C:Accession: S59073
R:Brouwer, M.; Englund, J.; Hoexum-Brouwer, T.; Thøgersen, I.; Truncali, A.
Biochem. J. 311, 617-622, 1995
A:Title: Primary structure and tissue-specific expression of blue crab (Callinectes s
A:Reference number: S59072; MUID:96033082
A:Accession: S59073
A:Molecule type: protein
A:Residues: 1-57 <BRO>
C:Superfamily: metallothionein
C:Keywords: metal binding

Query Match 54.9%; Score 28; DB 2; Length 57;
Best Local Similarity 23.5%; Pred. No. 45;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXKXXXXX 18
DB 33 CSSECKCKTSKECKSKTC 49

structural polypro
insulin receptor -
crumbs protein - f
LDL-receptor-relat
long neurotoxin 2
metallothionein 20
metallothionein 20
metallothionein 20
metallothionein 10
ferredoxin - Metha
metallothionein-li
dnaj-related prote
Whey acidic protei
keratin high-sulfu

```
RESULT 3
S59072
metallothionein isoform Ia - blue crab
C:Species: Callinectes sapidus (blue crab)
C:Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 07-May-1999
C:Accession: S59072
R:Brouwer, M.; Enghild, J.; Hoexum-Brouwer, T.; Thøgersen, I.; Truncali, A.
Biochem. J. 311, 617-622, 1995
A:Title: Primary structure and tissue-specific expression of blue crab (Callinectes sapidus) metallothionein
A:Reference number: S59072; MUID:96033062
A:Accession: S59072
A:Molecule type: protein
A:Residues: 1-58 <BRO>
C:Superfamily: metallothionein
C:Keywords: metal binding

Query Match 54.9%; Score 28; DB 2; Length 58;
Best Local Similarity 23.5%; Pred. No. 46;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXCXXXXC 18
| | | | |
Db 33 CTSGCKATKERCSTC 49

RESULT 4
C75608
hypothetical protein - Deinococcus radiodurans (strain R1)
C:Species: Deinococcus radiodurans
C:Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 31-Mar-2000
C:Accession: C75608
R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;
M.; Shen, M.; Vanatuevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A:Reference number: A75250; MUID:20036896
A:Accession: C75608
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-243 <WHI>
A:Cross-references: GB:AE001862; GB:AE001825; NID:g6460468; PIDN:AAF12318.1; PID:g646061
A:Experimental source: strain R1
C:Genetics:
A:Gene: DRA0128
A:Map position: 2

Query Match 54.9%; Score 28; DB 2; Length 243;
Best Local Similarity 23.5%; Pred. No. 63;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXCXXXXC 18
| | | | |
Db 214 CRWHSACRDTARCTSKC 230

RESULT 5
T00708
violaxanthin de-epoxidase homolog F22013.3 - Arabidopsis thaliana
C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 12-Feb-1999 #sequence_revision 12-Feb-1999 #text_change 22-Oct-1999
C:Accession: T00708
R:Shinn, P.; Buehler, E.; Dewar, K.; Feng, J.; Kim, C.; Li, Y.; Sun, H.; Conway, A.; Con
eologs, A.; Ecker, J.R.
submitted to the EMBL Data Library, April 1998
A:Description: Genomic sequence for Arabidopsis thaliana BAC F22013.
A:Reference number: Z14200
A:Accession: T00708
A:Status: translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-462 <SHI>

A:Cross-references: EMBL:AC003981; NID:g3063438; PID:g3063441; GSPDB:GN00059; ATSP:F2
A:Experimental source: cultivar Columbia
C:Genetics:
A:Gene: ATSP:F22013.3
A:Map position: 1
A:Introns: 72/3; 128/2; 160/3; 292/2

Query Match 54.9%; Score 28; DB 2; Length 462;
Best Local Similarity 23.5%; Pred. No. 72;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXCXXXXC 18
| | | | |
Db 134 CIANPACAAVACLTQC 150

RESULT 6
T03750
violaxanthin de-epoxidase precursor - common tobacco
C:Species: Nicotiana tabacum (common tobacco)
C:Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #text_change 21-Jul-2000
C:Accession: T03750
R:Bugos, R.C.; Hieber, A.D.; Yamamoto, H.Y.
J. Biol. Chem. 273, 15321-15324, 1998
A:Title: Xanthophyll cycle enzymes are members of the lipocalin family, the first ide
A:Reference number: Z15054; MUID:98288256
A:Accession: T03750
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: mRNA
A:Residues: 1-478 <BUG>
A:Cross-references: EMBL:U34817; NID:g1463122; PIDN:AAC50031.1; PID:g1463123
A:Experimental source: strain Xanthi; tissue-type leaf
C:Genetics:
A:Gene: TVD51
C:Function:
A:Description: violaxanthin de-epoxidase and zeaxanthin epoxidase catalyze the additi
d in protecting the photosynthetic apparatus from excessive light
A:Note: established as member of the lipocalin family
F:1-134/Domain: transit peptide (plastid) #status Predicted <TNP>
F:135-478/Product: violaxanthin de-epoxidase #status Predicted <MAT>

Query Match 54.9%; Score 28; DB 2; Length 478;
Best Local Similarity 23.5%; Pred. No. 73;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXCXXXXC 18
| | | | |
Db 155 CISNPACAAVACLTQC 171

RESULT 7
T22664
hypothetical protein F54E4.1 - Caenorhabditis elegans
C:Species: Caenorhabditis elegans
C:Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Feb-2000
C:Accession: T22664
R:Thomas, K.
submitted to the EMBL Data Library, August 1996
A:Reference number: Z19595
A:Accession: T22664
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-2948 <NIL>
A:Cross-references: EMBL:Z79639; PIDN:CAB01916.1; GSPDB:GN00028; CESP:F54E4.1
A:Experimental source: clone F54E4
C:Genetics:
A:Gene: CESP:F54E4.1
A:Map position: X
A:Introns: 31/1; 67/3; 135/3; 200/3; 354/2; 452/1; 495/3; 656/3; 785/2; 891/2; 1042/
2549/3; 2629/3; 2662/3; 2752/3; 2905/1
```

Query Match 54.9%; Score 28; DB 2; Length 2948;
Best Local Similarity 23.5%; Pred. No. 1.1e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 733 CTLGTVCNPSSCFISC 749

RESULT 8

SMKD1S
metallothionein 1 - mud crab
C:Species: Scyllia serrata (mud crab)
C:Date: 29-Jul-1981 #sequence_revision 29-Jul-1981 #text_change 13-Sep-1996
C:Accession: A03283
R:Lerch, K.; Ammer, D.; Olafson, R.W.
J. Biol. Chem. 257, 2420-2426, 1982
A:Title: Crab metallothionein. Primary structures of metallothioneins 1 and 2.
A:Reference number: A92363; MUID:82142340
A:Accession: A03283
A:Molecule type: protein
A:Residues: 1-58 <LER>
A:Note: the five Cys-X-Cys sequences are believed to be the principal metal-binding sites
C:Superfamily: metallothionein
C:Keywords: metal binding

Query Match 52.9%; Score 27; DB 1; Length 58;
Best Local Similarity 23.5%; Pred. No. 70;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 33 CSSGCKCANKECSKTC 49

RESULT 9

T47330
hypothetical protein F7P3.10 - Arabidopsis thaliana
C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 20-Apr-2000
C:Accession: T47330
R:Vitale, D.; Liguori, R.; Flores, M.; Argiriou, A.; De Simone, V.; Mewes, H.W.; Rudd, S.
submitted to the Protein Sequence Database, April 2000
A:Reference number: 224461
A:Accession: T47330
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-565 <VIT>
A:Cross-references: EMBL:AL138663
A:Experimental source: cultivar Columbia; BAC clone F7P3
C:Genetics:
A:Map position: 3
A:Introns: 169/2; 232/1; 276/2; 368/3; 444/3
A:Note: F7P3.10

Query Match 52.9%; Score 27; DB 2; Length 565;
Best Local Similarity 23.5%; Pred. No. 1.2e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 191 CSVVVACSVVACVYFC 207

RESULT 10

T20764
hypothetical protein F11C1.6 - Caenorhabditis elegans
C:Species: Caenorhabditis elegans
C:Date: 13-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Feb-2000
C:Accession: T20764

R:Palmer, S.
submitted to the EMBL Data Library, September 1995
A:Reference number: Z19321
A:Accession: T20764
A>Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-572 <WIL>
A:Cross-references: EMBL:254270; PIDN:CAA91028.1; GSPDB:GN00028; CESP:F11C1.6
A:Experimental source: clone F11C1
C:Genetics:
A:Gene: CESP:F11C1.6
A:Map position: X
A:Introns: 39/3; 87/1; 148/2; 190/1; 286/1; 377/3; 417/2; 499/2
C:Superfamily: steroid hormone receptor Ad4BP; erba transforming protein homology

Query Match 52.9%; Score 27; DB 2; Length 572;
Best Local Similarity 23.5%; Pred. No. 1.2e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXC 18
| | | | | | | | | | | | | | | | | | | | | |
Db 54 CSAEANCHVDTRCKRC 70

RESULT 11

A53102
alpha-2-macroglobulin receptor precursor - chicken
N:Alternate names: CD91; LDL receptor-related protein 1; low density lipoprotein receptor
C:Species: Gallus gallus (chicken)
C:Date: 04-Sep-1998 #sequence_revision 04-Sep-1998 #text_change 22-Jun-1999
C:Accession: A53102
R:Nimpf, J.; Stifani, S.; Bilous, P.T.; Schneider, W.J.
J. Biol. Chem. 269, 212-219, 1994
A:Title: The somatic cell-specific low density lipoprotein receptor-related protein o
A:Reference number: A53102; MUID:94103212
A:Accession: A53102
A>Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-4543 <NIM>
A:Cross-references: GB:X74904; MID:g438006; PIDN:CAAS2870.1; PID:g438007
C:Complex: The alpha-2-macroglobulin receptor complex consists of noncovalently-assoc
d protein.
C:Superfamily: alpha-2-macroglobulin receptor; EGF homology; LDL receptor ligand-bind
C:Keywords: beta-hydroxyaspartate; beta-hydroxyaspartic acid; calcium binding; glyco
F:1-17/Domain: signal sequence #status predicted <SIG>
F:18-3942/Domain: alpha-2-macroglobulin receptor 515K chain #status predicted <515K>
F:18-3942,3943-4543/Product: alpha-2-macroglobulin receptor #status predicted <MAI>
F:29-66/Domain: LDL receptor ligand-binding repeat homology <LDL1>
F:74-110/Domain: LDL receptor ligand-binding repeat homology <LDL2>
F:117-150/Domain: EGF homology <EG1>
F:156-190/Domain: EGF homology <EG2>
F:200-241/Domain: LDL receptor WYTD-containing repeat homology <YW01>
F:242-283/Domain: LDL receptor WYTD-containing repeat homology <YW02>
F:294-336/Domain: LDL receptor WYTD-containing repeat homology <YW03>
F:337-380/Domain: LDL receptor WYTD-containing repeat homology <YW04>
F:381-422/Domain: LDL receptor WYTD-containing repeat homology <YW05>
F:423-470/Domain: LDL receptor WYTD-containing repeat homology <YW06>
F:480-521/Domain: EGF homology <EG3>
F:573-615/Domain: LDL receptor WYTD-containing repeat homology <YW07>
F:616-661/Domain: LDL receptor WYTD-containing repeat homology <YW08>
F:662-712/Domain: LDL receptor WYTD-containing repeat homology <YW09>
F:713-754/Domain: LDL receptor WYTD-containing repeat homology <YW10>
F:755-797/Domain: LDL receptor WYTD-containing repeat homology <YW11>
F:805-840/Domain: EGF homology <EG4>
F:852-888/Domain: LDL receptor ligand-binding repeat homology <LDL3>
F:893-929/Domain: LDL receptor ligand-binding repeat homology <LDL4>
F:934-969/Domain: LDL receptor ligand-binding repeat homology <LDL5>
F:974-1009/Domain: LDL receptor ligand-binding repeat homology <LDL6>
F:1013-1049/Domain: LDL receptor ligand-binding repeat homology <LDL7>
F:1060-1095/Domain: LDL receptor ligand-binding repeat homology <LDL8>
F:1102-1138/Domain: LDL receptor ligand-binding repeat homology <LDL9>
F:1143-1180/Domain: LDL receptor ligand-binding repeat homology <LDL10>

F:1183-1219/Domain: EGF homology <EG5>
F:1225-1259/Domain: EGF homology <EG6>
F:1267-1306/Domain: LDL receptor WYTD-containing repeat homology <YW12>
F:1307-1353/Domain: LDL receptor WYTD-containing repeat homology <YW13>
F:1354-1396/Domain: LDL receptor WYTD-containing repeat homology <YW14>
F:1397-1443/Domain: LDL receptor WYTD-containing repeat homology <YW15>
F:1444-1486/Domain: LDL receptor WYTD-containing repeat homology <YW16>
F:1487-1529/Domain: LDL receptor WYTD-containing repeat homology <YW17>
F:1538-1576/Domain: EGF homology <EG7>
F:1581-1624/Domain: LDL receptor WYTD-containing repeat homology <YW18>
F:1625-1667/Domain: LDL receptor WYTD-containing repeat homology <YW19>
F:1668-1711/Domain: LDL receptor WYTD-containing repeat homology <YW20>
F:1712-1751/Domain: LDL receptor WYTD-containing repeat homology <YW21>
F:1752-1794/Domain: LDL receptor WYTD-containing repeat homology <YW22>
F:1795-1842/Domain: LDL receptor WYTD-containing repeat homology <YW23>
F:1846-1882/Domain: EGF homology <EG8>
F:1930-1972/Domain: LDL receptor WYTD-containing repeat homology <YW24>
F:1973-2015/Domain: LDL receptor WYTD-containing repeat homology <YW25>
F:2016-2059/Domain: LDL receptor WYTD-containing repeat homology <YW26>
F:2060-2101/Domain: LDL receptor WYTD-containing repeat homology <YW27>
F:2102-2147/Domain: LDL receptor WYTD-containing repeat homology <YW28>
F:2155-2190/Domain: EGF homology <EG9>
F:2195-2237/Domain: LDL receptor WYTD-containing repeat homology <YW29>
F:2247-2288/Domain: LDL receptor WYTD-containing repeat homology <YW30>
F:2338-2382/Domain: LDL receptor WYTD-containing repeat homology <YW31>
F:2383-2423/Domain: LDL receptor WYTD-containing repeat homology <YW32>
F:2424-2467/Domain: LDL receptor WYTD-containing repeat homology <YW33>
F:2476-2511/Domain: EGF homology <EG10>
F:2518-2555/Domain: LDL receptor ligand-binding repeat homology <LDLB>
F:2560-2594/Domain: LDL receptor ligand-binding repeat homology <LDLC>
F:2599-2633/Domain: LDL receptor ligand-binding repeat homology <LDLD>
F:2646-2682/Domain: LDL receptor ligand-binding repeat homology <LDLE>
F:2690-2724/Domain: LDL receptor ligand-binding repeat homology <LDLF>
F:2733-2767/Domain: LDL receptor ligand-binding repeat homology <LDLG>
F:2773-2810/Domain: LDL receptor ligand-binding repeat homology <LDLH>
F:2816-2851/Domain: LDL receptor ligand-binding repeat homology <LDLI>
F:2856-2895/Domain: LDL receptor ligand-binding repeat homology <LDLJ>
F:2902-2936/Domain: LDL receptor ligand-binding repeat homology <LDLK>
F:2941-2977/Domain: EGF homology <EG11>
F:2983-3018/Domain: EGF homology <EG12>
F:3026-3065/Domain: LDL receptor WYTD-containing repeat homology <YW34>
F:3066-3110/Domain: LDL receptor WYTD-containing repeat homology <YW35>
F:3111-3153/Domain: LDL receptor WYTD-containing repeat homology <YW36>
F:3154-3197/Domain: LDL receptor WYTD-containing repeat homology <YW37>
F:3198-3238/Domain: LDL receptor WYTD-containing repeat homology <YW38>
F:3239-3281/Domain: LDL receptor WYTD-containing repeat homology <YW39>
F:3291-3327/Domain: EGF homology <EG13>
F:3331-3366/Domain: LDL receptor ligand-binding repeat homology <LDLL>
F:3371-3405/Domain: LDL receptor ligand-binding repeat homology <LDLM>
F:3410-3445/Domain: LDL receptor ligand-binding repeat homology <LDLN>
F:3450-3486/Domain: LDL receptor ligand-binding repeat homology <LDLO>
F:3491-3528/Domain: LDL receptor ligand-binding repeat homology <LDLP>
F:3533-3567/Domain: LDL receptor ligand-binding repeat homology <LDLQ>
F:3573-3606/Domain: LDL receptor ligand-binding repeat homology <LDLR>
F:3610-3644/Domain: LDL receptor ligand-binding repeat homology <LDLS>
F:3651-3687/Domain: LDL receptor ligand-binding repeat homology <LDLT>
F:3692-3728/Domain: LDL receptor ligand-binding repeat homology <LDLU>
F:3738-3774/Domain: LDL receptor ligand-binding repeat homology <LDLV>
F:3783-3820/Domain: EGF homology <EG14>
F:3826-3858/Domain: EGF homology <EG15>
F:3866-3909/Domain: LDL receptor WYTD-containing repeat homology <YW40>
F:3910-3968/Domain: LDL receptor WYTD-containing repeat homology <YW41>
F:3943-4011/Domain: alpha-2-macroglobulin receptor 85K chain #status predicted <EXT>
F:3969-4011/Domain: 85K chain extracellular #status predicted <EXT>
F:4012-4055/Domain: LDL receptor WYTD-containing repeat homology <YW42>
F:4056-4098/Domain: LDL receptor WYTD-containing repeat homology <YW43>
F:4099-4141/Domain: LDL receptor WYTD-containing repeat homology <YW44>
F:4150-4181/Domain: EGF homology <EG16>
F:4199-4230/Domain: EGF homology <EG17>
F:4235-4266/Domain: EGF homology <EG18>
F:4271-4302/Domain: EGF homology <EG19>
F:4307-4338/Domain: EGF homology <EG20>

F:4343-4373/Domain: EGF homology <EG21>
F:4426-4408/Domain: EGF homology <EG22>
F:4441-4443/Domain: transmembrane #status predicted <TMM>
F:4444-4543/Domain: intracellular #status predicted <INT>
F:116,138,187,276,359,448,731,926,1048,1152,1153,1193,1216,1305,1509,1556,1573,1614,13485,3659,3786,3837,3952,4074,4124,4178,4278/Binding site: carbohydrate (Asn) (covalent)
F:168,2995/Modified site: erythro-beta-hydroxyasparagine (Asn) #status predicted
F:2955/Modified site: erythro-beta-hydroxyaspartic acid (Asp) #status predicted

Query Match 52.9%; Score 27; DB 1; Length 4543;
Best Local Similarity 23.5%; Pred. No. 1.8e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 2 CXXXXXXCXXXXXXC 18
Db 150 KDFDECTVYGTCSQTC 166

RESULT 12
S02392
alpha-2-macroglobulin receptor precursor - human
A:Alternate names: CD91; LDL receptor-related protein 1; low density lipoprotein receptor
C:Species: Homo sapiens (man)
C:Date: 14-Aug-1998 #sequence,revision 14-Aug-1998 #text_change 22-Jun-1999
C:Accession: S02392; S30027; I37998; A39210; S12538
R:Herz, J.; Hamann, U.; Rogne, S.; Myklebost, O.; Gausepohl, H.; Stanley, K.K.
EMBO J. 7, 4119-4127, 1988
A:Title: Surface location and high affinity for calcium of a 500-kd liver membrane protein
A:Reference number: S02392; MUID:89210795
A:Accession: S02392
A:Status: nucleic acid sequence not shown
A:Molecule type: mRNA
A:Residues: 1-4544 <HER>
A:Cross-references: EMBL:X13916; NID:g34338; PIDN:CAA32112.1; PID:g34339
R:Kristensen, T.
submitted to the EMBL Data Library, October 1990
A:Reference number: S30027
A:Accession: S30027
A:Molecule type: mRNA
A:Residues: 3275-3864 <KRI>
A:Cross-references: EMBL:X55077
R:Herz, J.; Kowal, R.C.; Goldstein, J.L.; Brown, M.S.
EMBO J. 9, 1769-1776, 1990
A:Title: Proteolytic processing of the 600 kd low density lipoprotein receptor-related protein
A:Reference number: S12538; MUID:90269210
A:Contents: annotation; site of proteolytic cleavage
R:Kutt, H.; Herz, J.; Stanley, K.K.
Biochim. Biophys. Acta 1009, 229-236, 1989
A:Title: Structure of the low-density lipoprotein receptor-related protein (LRP) from man
A:Reference number: I37998; MUID:90089395
A:Accession: I37998
A:Status: preliminary; translated from GB/EMBL/DDBJ
A:Molecule type: DNA
A:Residues: 1-111 <RES>
A:Cross-references: EMBL:X15424; NID:g34408; PIDN:CAA33464.1; PID:g34409
R:Strickland, D.K.; Ashcom, J.D.; Williams, S.; Burgess, W.H.; Migliorini, M.; Argrav, J. Biol. Chem. 265, 17401-17404, 1990
A:Title: Sequence identity between the alpha2-macroglobulin receptor and low density lipoprotein receptor
A:Reference number: A39210; MUID:91009181
A:Accession: A39210
A:Status: preliminary
A:Molecule type: protein
A:Residues: 150-166;234-238, 'X',240-245, 'X',247-252;'G',686-695;902-916;1096-1109;'S'
C:Genetics:
A:Gene: GDB:LRP1; APR: LRP; A2MR
A:Cross-references: GDB:119694; OMIM:107770
A:Map position: 12q13.1-12q13.3
C:Complex: The alpha-2-macroglobulin receptor complex consists of noncovalently-associated protein (see PIR:A39875).
C:Superfamily: alpha-2-macroglobulin receptor; EGF homology; LDL receptor ligand-binding
C:Keywords: beta-hydroxyasparagine; beta-hydroxyaspartic acid; calcium binding; glycosylation
F:1-19/Domain: signal sequence #status predicted <SIG>

F:20-3943/Product: alpha-2-macroglobulin receptor 515K chain #status predicted <515K>
F:27-64/Domain: LDL receptor ligand-binding repeat homology <LDL1>
F:72-108/Domain: LDL receptor ligand-binding repeat homology <LDL2>
F:115-148/Domain: EGF homology <EG>
F:154-188/Domain: EGF homology <EG>
F:198-239/Domain: LDL receptor WYTD-containing repeat homology <YW01>
F:240-281/Domain: LDL receptor WYTD-containing repeat homology <YW02>
F:292-334/Domain: LDL receptor WYTD-containing repeat homology <YW03>
F:335-378/Domain: LDL receptor WYTD-containing repeat homology <YW04>
F:375-420/Domain: LDL receptor WYTD-containing repeat homology <YW05>
F:421-468/Domain: LDL receptor WYTD-containing repeat homology <YW06>
F:478-519/Domain: EGF homology <EG>
F:571-613/Domain: LDL receptor WYTD-containing repeat homology <YW07>
F:614-659/Domain: LDL receptor WYTD-containing repeat homology <YW08>
F:660-710/Domain: LDL receptor WYTD-containing repeat homology <YW09>
F:711-752/Domain: LDL receptor WYTD-containing repeat homology <YW10>
F:753-799/Domain: LDL receptor WYTD-containing repeat homology <YW11>
F:807-842/Domain: EGF homology <EG>
F:854-890/Domain: LDL receptor ligand-binding repeat homology <LDL3>
F:895-931/Domain: LDL receptor ligand-binding repeat homology <LDL4>
F:936-971/Domain: LDL receptor ligand-binding repeat homology <LDL5>
F:976-1011/Domain: LDL receptor ligand-binding repeat homology <LDL6>
F:1015-1051/Domain: LDL receptor ligand-binding repeat homology <LDL7>
F:1062-1097/Domain: LDL receptor ligand-binding repeat homology <LDL8>
F:1104-1140/Domain: LDL receptor ligand-binding repeat homology <LDL9>
F:1145-1182/Domain: LDL receptor ligand-binding repeat homology <LDL10>
F:1185-1221/Domain: EGF homology <EG>
F:1227-1261/Domain: EGF homology <EG>
F:1269-1308/Domain: LDL receptor WYTD-containing repeat homology <YW12>
F:1309-1355/Domain: LDL receptor WYTD-containing repeat homology <YW13>
F:1356-1398/Domain: LDL receptor WYTD-containing repeat homology <YW14>
F:1399-1445/Domain: LDL receptor WYTD-containing repeat homology <YW15>
F:1446-1488/Domain: LDL receptor WYTD-containing repeat homology <YW16>
F:1489-1531/Domain: LDL receptor WYTD-containing repeat homology <YW17>
F:1540-1578/Domain: EGF homology <EG>
F:1583-1626/Domain: LDL receptor WYTD-containing repeat homology <YW18>
F:1627-1669/Domain: LDL receptor WYTD-containing repeat homology <YW19>
F:1670-1713/Domain: LDL receptor WYTD-containing repeat homology <YW20>
F:1714-1753/Domain: LDL receptor WYTD-containing repeat homology <YW21>
F:1754-1796/Domain: LDL receptor WYTD-containing repeat homology <YW22>
F:1797-1846/Domain: LDL receptor WYTD-containing repeat homology <YW23>
F:1850-1886/Domain: EGF homology <EG>
F:1934-1976/Domain: LDL receptor WYTD-containing repeat homology <YW24>
F:1977-2019/Domain: LDL receptor WYTD-containing repeat homology <YW25>
F:2020-2063/Domain: LDL receptor WYTD-containing repeat homology <YW26>
F:2064-2105/Domain: LDL receptor WYTD-containing repeat homology <YW27>
F:2106-2151/Domain: LDL receptor WYTD-containing repeat homology <YW28>
F:2159-2194/Domain: EGF homology <EG>
F:2199-2241/Domain: LDL receptor WYTD-containing repeat homology <YW29>
F:2253-2294/Domain: LDL receptor WYTD-containing repeat homology <YW30>
F:2344-2388/Domain: LDL receptor WYTD-containing repeat homology <YW31>
F:2389-2429/Domain: LDL receptor WYTD-containing repeat homology <YW32>
F:2430-2473/Domain: LDL receptor WYTD-containing repeat homology <YW33>
F:2482-2517/Domain: EGF homology <EG>
F:2524-2561/Domain: LDL receptor ligand-binding repeat homology <LDL11>
F:2566-2600/Domain: LDL receptor ligand-binding repeat homology <LDL12>
F:2605-2639/Domain: LDL receptor ligand-binding repeat homology <LDL13>
F:2652-2688/Domain: LDL receptor ligand-binding repeat homology <LDL14>
F:2696-2730/Domain: LDL receptor ligand-binding repeat homology <LDL15>
F:2734-2769/Domain: LDL receptor ligand-binding repeat homology <LDL16>
F:2774-2812/Domain: LDL receptor ligand-binding repeat homology <LDL17>
F:2818-2853/Domain: LDL receptor ligand-binding repeat homology <LDL18>
F:2858-2897/Domain: LDL receptor ligand-binding repeat homology <LDL19>
F:2904-2939/Domain: LDL receptor ligand-binding repeat homology <LDL20>
F:2944-2980/Domain: EGF homology <EG>
F:2986-3021/Domain: EGF homology <EG>
F:3029-3068/Domain: LDL receptor WYTD-containing repeat homology <YW34>
F:3069-3113/Domain: LDL receptor WYTD-containing repeat homology <YW35>
F:3114-3156/Domain: LDL receptor WYTD-containing repeat homology <YW36>
F:3157-3200/Domain: LDL receptor WYTD-containing repeat homology <YW37>
F:3201-3241/Domain: LDL receptor WYTD-containing repeat homology <YW38>
F:3242-3284/Domain: LDL receptor WYTD-containing repeat homology <YW39>
F:3294-3330/Domain: EGF homology <EG>

F:3334-3369/Domain: LDL receptor ligand-binding repeat homology <LDL1>
F:3374-3408/Domain: LDL receptor ligand-binding repeat homology <LDL2>
F:3413-3448/Domain: LDL receptor ligand-binding repeat homology <LDL3>
F:3453-3489/Domain: LDL receptor ligand-binding repeat homology <LDL4>
F:3494-3531/Domain: LDL receptor ligand-binding repeat homology <LDL5>
F:3536-3570/Domain: LDL receptor ligand-binding repeat homology <LDL6>
F:3575-3609/Domain: LDL receptor ligand-binding repeat homology <LDL7>
F:3613-3647/Domain: LDL receptor ligand-binding repeat homology <LDL8>
F:3654-3690/Domain: LDL receptor ligand-binding repeat homology <LDL9>
F:3695-3731/Domain: LDL receptor ligand-binding repeat homology <LDL10>
F:3741-3776/Domain: LDL receptor ligand-binding repeat homology <LDL11>
F:3785-3822/Domain: EGF homology <EG14>
F:3828-3860/Domain: EGF homology <EG15>
F:3868-3911/Domain: LDL receptor WYTD-containing repeat homology <YW40>
F:3912-3969/Domain: LDL receptor WYTD-containing repeat homology <YW41>
F:3944-4544/Product: alpha-2-macroglobulin receptor 85K chain #status predicted <85K>
F:3944-4420/Domain: 85K chain extracellular #status predicted <EXT>
F:3970-4012/Domain: LDL receptor WYTD-containing repeat homology <YW42>
F:4013-4056/Domain: LDL receptor WYTD-containing repeat homology <YW43>
F:4057-4099/Domain: LDL receptor WYTD-containing repeat homology <YW44>
F:4100-4142/Domain: LDL receptor WYTD-containing repeat homology <YW45>
F:4151-4182/Domain: EGF homology <EG16>
F:4200-4231/Domain: EGF homology <EG17>
F:4236-4267/Domain: EGF homology <EG18>
F:4272-4303/Domain: EGF homology <EG19>
F:4308-4339/Domain: EGF homology <EG20>
F:4344-4374/Domain: EGF homology <EG21>
F:4377-4408/Domain: EGF homology <EG22>
F:4421-4444/Domain: transmembrane #status predicted <TM>
F:4445-4544/Domain: intracellular #status predicted <INT>
F:166,2998/Modified site: erythro-beta-hydroxyasparagine (Asn) #status predicted
F:2958/Modified site: erythro-beta-hydroxyaspartic acid (Asp) #status predicted
F:4075,4125,4278/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 52.9%; Score 27; DB 1; Length 4544;
Best Local Similarity 23.5%; Pred. No. 1.8e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXC 18
| | | | |
Db 2980 CADVDECTSTPPCSQRC 2996

RESULT 13
S25111
alpha-2-macroglobulin receptor precursor - mouse
N:Alternate names: CD91; LDL receptor-related protein 1; low density lipoprotein rece
C:Species: Mus musculus (house mouse)
C:Date: 04-Sep-1998 #sequence_revision 04-Sep-1998 #text_change 22-Jun-1999
C:Accession: S25111; S32554
R:van Leuven, F.
submitted to the EMBL Data Library, July 1992
A:Reference number: S25111
A:Accession: S25111
A:Molecule type: mRNA
A:Residues: 1-4545 <VAN1>
A:Cross-references: EMBL:X67469; NID:g49941; PIDN:CAAM7817.1; PID:g49942
R:van Leuven, F.; Stas, L.; Raymakers, L.; Overbergh, L.; de Strooper, B.; Hilliker,
Blochim. Biophys. Acta 1173, 71-74, 1993
A:Title: Molecular cloning and sequencing of the murine alpha-2-macroglobulin recepto
A:Reference number: S32554; MUID:93250049
A:Accession: S32554
A:Status: nucleic acid sequence not shown
A:Molecule type: mRNA
A:Residues: 1-28;4416-4453 <VAN2>
A:Cross-references: EMBL:X67469
C:Complex: The alpha-2-macroglobulin receptor complex consists of noncovalently-associ
ated protein (see PIR:JX0281).
C:Superfamily: alpha-2-macroglobulin receptor; EGF homology; LDL receptor ligand-bind
C:Keywords: beta-hydroxyasparagine; beta-hydroxyaspartic acid; calcium binding; glyco
F:1-19/Domain: signal sequence #status predicted <SIG>
F:20-3945,3945-4545/Product: alpha-2-macroglobulin receptor #status predicted <MAT>

F:20-3944/Domain: alpha-2-macroglobulin receptor 515K chain #status predicted <515K>
F:28-65/Domain: LDL receptor ligand-binding repeat homology <LDL1>
F:73-109/Domain: LDL receptor ligand-binding repeat homology <LDL2>
F:116-149/Domain: EGF homology <EG1>
F:155-189/Domain: EGF homology <EG2>
F:199-240/Domain: LDL receptor WYTD-containing repeat homology <YW01>
F:241-282/Domain: LDL receptor WYTD-containing repeat homology <YW02>
F:293-335/Domain: LDL receptor WYTD-containing repeat homology <YW03>
F:336-379/Domain: LDL receptor WYTD-containing repeat homology <YW04>
F:380-421/Domain: LDL receptor WYTD-containing repeat homology <YW05>
F:422-469/Domain: LDL receptor WYTD-containing repeat homology <YW06>
F:478-520/Domain: EGF homology <EG3>
F:572-614/Domain: LDL receptor WYTD-containing repeat homology <YW07>
F:615-660/Domain: LDL receptor WYTD-containing repeat homology <YW08>
F:661-711/Domain: LDL receptor WYTD-containing repeat homology <YW09>
F:712-763/Domain: LDL receptor WYTD-containing repeat homology <YW10>
F:754-800/Domain: LDL receptor WYTD-containing repeat homology <YW11>
F:808-843/Domain: EGF homology <EG4>
F:853-891/Domain: LDL receptor ligand-binding repeat homology <LDL3>
F:896-932/Domain: LDL receptor ligand-binding repeat homology <LDL4>
F:937-972/Domain: LDL receptor ligand-binding repeat homology <LDL5>
F:977-1012/Domain: LDL receptor ligand-binding repeat homology <LDL6>
F:1016-1052/Domain: LDL receptor ligand-binding repeat homology <LDL7>
F:1063-1098/Domain: LDL receptor ligand-binding repeat homology <LDL8>
F:1105-1141/Domain: LDL receptor ligand-binding repeat homology <LDL9>
F:1146-1183/Domain: LDL receptor ligand-binding repeat homology <LDL9A>
F:1186-1222/Domain: EGF homology <EG5>
F:1228-1262/Domain: EGF homology <EG6>
F:1270-1309/Domain: LDL receptor WYTD-containing repeat homology <YW12>
F:1310-1356/Domain: LDL receptor WYTD-containing repeat homology <YW13>
F:1357-1399/Domain: LDL receptor WYTD-containing repeat homology <YW14>
F:1400-1446/Domain: LDL receptor WYTD-containing repeat homology <YW15>
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F:1628-1670/Domain: LDL receptor WYTD-containing repeat homology <YW19>
F:1671-1714/Domain: LDL receptor WYTD-containing repeat homology <YW20>
F:1715-1754/Domain: LDL receptor WYTD-containing repeat homology <YW21>
F:1755-1797/Domain: LDL receptor WYTD-containing repeat homology <YW22>
F:1798-1847/Domain: LDL receptor WYTD-containing repeat homology <YW23>
F:1851-1887/Domain: EGF homology <EG8>
F:1935-1977/Domain: LDL receptor WYTD-containing repeat homology <YW24>
F:1978-2020/Domain: LDL receptor WYTD-containing repeat homology <YW25>
F:2021-2064/Domain: LDL receptor WYTD-containing repeat homology <YW26>
F:2065-2106/Domain: LDL receptor WYTD-containing repeat homology <YW27>
F:2107-2152/Domain: LDL receptor WYTD-containing repeat homology <YW28>
F:2160-2195/Domain: EGF homology <EG9>
F:2200-2242/Domain: LDL receptor WYTD-containing repeat homology <YW29>
F:2254-2295/Domain: LDL receptor WYTD-containing repeat homology <YW30>
F:2345-2389/Domain: LDL receptor WYTD-containing repeat homology <YW31>
F:2390-2430/Domain: LDL receptor WYTD-containing repeat homology <YW32>
F:2431-2474/Domain: LDL receptor WYTD-containing repeat homology <YW33>
F:2483-2518/Domain: EGF homology <EG10>
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F:2567-2601/Domain: LDL receptor ligand-binding repeat homology <LDL9C>
F:2606-2640/Domain: LDL receptor ligand-binding repeat homology <LDL9D>
F:2653-2689/Domain: LDL receptor ligand-binding repeat homology <LDL9E>
F:2697-2731/Domain: LDL receptor ligand-binding repeat homology <LDL9F>
F:2735-2770/Domain: LDL receptor ligand-binding repeat homology <LDL9G>
F:2775-2813/Domain: LDL receptor ligand-binding repeat homology <LDL9H>
F:2819-2854/Domain: LDL receptor ligand-binding repeat homology <LDL9I>
F:2859-2898/Domain: LDL receptor ligand-binding repeat homology <LDL9J>
F:2905-2940/Domain: LDL receptor ligand-binding repeat homology <LDL9K>
F:2945-2981/Domain: EGF homology <EG11>
F:2987-3022/Domain: EGF homology <EG12>
F:3030-3069/Domain: LDL receptor WYTD-containing repeat homology <YW34>
F:3070-3114/Domain: LDL receptor WYTD-containing repeat homology <YW35>
F:3115-3157/Domain: LDL receptor WYTD-containing repeat homology <YW36>
F:3158-3201/Domain: LDL receptor WYTD-containing repeat homology <YW37>
F:3202-3242/Domain: LDL receptor WYTD-containing repeat homology <YW38>
F:3243-3285/Domain: LDL receptor WYTD-containing repeat homology <YW39>
F:3295-3331/Domain: EGF homology <EG13>

F:3335-3370/Domain: LDL receptor ligand-binding repeat homology <LDL1>
F:3375-3409/Domain: LDL receptor ligand-binding repeat homology <LDL1M>
F:3414-3449/Domain: LDL receptor ligand-binding repeat homology <LDL1N>
F:3454-3490/Domain: LDL receptor ligand-binding repeat homology <LDL1O>
F:3495-3532/Domain: LDL receptor ligand-binding repeat homology <LDL1P>
F:3537-3571/Domain: LDL receptor ligand-binding repeat homology <LDL1Q>
F:3576-3610/Domain: LDL receptor ligand-binding repeat homology <LDL1R>
F:3614-3648/Domain: LDL receptor ligand-binding repeat homology <LDL1S>
F:3655-3691/Domain: LDL receptor ligand-binding repeat homology <LDL1T>
F:3696-3732/Domain: LDL receptor ligand-binding repeat homology <LDL1U>
F:3742-3777/Domain: LDL receptor ligand-binding repeat homology <LDL1V>
F:3786-3823/Domain: EGF homology <EG14>
F:3829-3861/Domain: EGF homology <EG15>
F:3869-3912/Domain: LDL receptor WYTD-containing repeat homology <YW40>
F:3913-3970/Domain: LDL receptor WYTD-containing repeat homology <YW41>
F:3945-4021/Domain: alpha-2-macroglobulin receptor 85K chain #status predicted <85K>
F:3945-4421/Domain: 85K chain extracellular #status predicted <EXT>
F:3971-4013/Domain: LDL receptor WYTD-containing repeat homology <YW42>
F:4014-4057/Domain: LDL receptor WYTD-containing repeat homology <YW43>
F:4058-4100/Domain: LDL receptor WYTD-containing repeat homology <YW44>
F:4101-4143/Domain: LDL receptor WYTD-containing repeat homology <YW45>
F:4152-4183/Domain: EGF homology <EG16>
F:4201-4232/Domain: EGF homology <EG17>
F:4237-4268/Domain: EGF homology <EG18>
F:4273-4304/Domain: EGF homology <EG19>
F:4309-4340/Domain: EGF homology <EG20>
F:4345-4375/Domain: EGF homology <EG21>
F:4378-4409/Domain: EGF homology <EG22>
F:4422-4445/Domain: transmembrane #status predicted <TM>
F:4446-4545/Domain: intracellular #status predicted <INT>
F:167-299/Modified site: erythro-beta-hydroxyasparagine (Asn) #status predicted
F:2959/Modified site: erythro-beta-hydroxyaspartic acid (Asp) #status predicted
F:4076, 4126, 4279/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 52.9%; Score 27; DB 1; Length 4545;
Best Local Similarity 23.5%; Pred. No. 1.8e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXC 18
DB 2981 CADLDECSTTFCSQLC 2997

RESULT 14
SMKD2S
metallothionein 2 - mud crab
C:Species: Scylla serrata (mud crab)
C:Date: 19-Feb-1984 #sequence_revision 19-Feb-1984 #text_change 13-Sep-1996
C:Accession: A03284
R:ierch, K.; Ammei, D.; Olafson, R.W.
J. Biol. Chem. 257, 2420-2426, 1982
A:Title: Crab metallothionein. Primary structures of metallothioneins 1 and 2.
A:Reference number: A92363; MUID:82142340
A:Accession: A03284
A:Molecule type: protein
A:Residues: 1-57 <LER>
C:Superfamily: metallothionein
C:Keywords: metal binding

Query Match 51.0%; Score 26; DB 1; Length 57;
Best Local Similarity 23.5%; Pred. No. 1.1e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 2 CXXXXXXCXXXXXXC 18
DB 33 CSSGCKCANKEDCRKTC 49

RESULT 15
A37039
metallothionein 1 - American lobster

C;Species: Homarus americanus (American lobster)
C;Date: 31-Jan-1992 #sequence_revision 31-Jan-1992 #text_change 12-Apr-1995
C;Accession: A37039
R;Brouwer, M.; Winge, D.R.; Gray, W.R.
J. Inorg. Biochem. 35, 289-303, 1989
A;Title: Structural and functional diversity of copper-metallothioneins from the Americas
A;Reference number: A37039; MUID:89215793
A;Accession: A37039
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-58 <BRO>
C;Superfamily: metallothionein

Query Match 51.0%; Score 26; DB 2; Length 58;
Best Local Similarity 23.5%; Pred. No. 1.1e+02;
Matches 4; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 2 CXXXXXXCXXXXXXC 18
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Db 33 CTSGCKCPKDECAKTC 49

Search completed: February 13, 2002, 10:11:24
Job time: 112 sec

